

Title (en)

A method of mounting a wheel hub bearing assembly to a knuckle of a vehicle suspension and a vehicle suspension knuckle suitable for such mounting

Title (de)

Verfahren zur Befestigung einer Lagerung für eine Radnabe in einem Lagergehäuse einer Radaufhängung eines Fahrzeugs sowie Lagergehäuse einer Radaufhängung für eine solche Befestigung

Title (fr)

Procedé de montage d'un palier de moyeu de roue dans une fusée de suspension de véhicule et fusée de suspension de véhicule appropriée pour un tel montage

Publication

**EP 1674748 A1 20060628 (EN)**

Application

**EP 04030445 A 20041222**

Priority

EP 04030445 A 20041222

Abstract (en)

The present patent application relates to a method of mounting a wheel hub bearing assembly (1) to a knuckle (4) of a vehicle suspension by forcefully inserting a wheel bearing (2) of the wheel hub bearing assembly (1) in a bore (5) formed in said knuckle (4). The hub unit (1) is brought into axial alignment with the knuckle bore (5), hereafter the whole hub unit (1) is translated in the axially inner direction (A) such that the wheel bearing (2) is fully received in the knuckle bore (5). Finally, the hub unit (1) is secured to the knuckle (4) by forming a rivet by means of clamping an outer ring of the wheel bearing (2) by plastic deformation of an axially outer end flange (7) of the knuckle (4), which end flange (7) encircles the knuckle bore opening (8).

IPC 8 full level

**F16C 35/067** (2006.01); **B60B 27/00** (2006.01)

CPC (source: EP)

**F16C 35/067** (2013.01); **F16C 2326/02** (2013.01)

Citation (search report)

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- [X] FR 2800324 A1 20010504 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
- [X] DE 4117334 A1 19921203 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] EP 1031439 A2 20000830 - SKF IND SPA [IT]
- [AD] EP 0879972 A2 19981125 - SKF IND SPA [IT]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 11 6 November 2002 (2002-11-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)

Cited by

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